

DEPARTMENT OF COMMERCE

AFV REPORT

FISCAL YEAR

2008



U.S. Department of Commerce Alternative Fuel Vehicle Report for Fiscal Year 2008

This is the U.S. Department of Commerce (DOC) Alternative Fuel Vehicle (AFV) Report for Fiscal Year (FY) 2008, including planned fleet acquisitions and projections for FY 2009 and FY 2010. The report has been developed in accordance with the Energy Policy Act of 1992 (EPAAct) Public Law (P.L. 102-486), as amended by the Energy Conservation Reauthorization Act of 1998 (P.L. 105-388) (ECRA), and Executive Order (EO) 13423, "Strengthening Federal Environmental, Energy, and Transportation Management" (72 FR 3919, signed January 24, 2007). E.O. 13423 revoked and replaced the provisions of the earlier E.O. 13149, "Greening the Government through Federal Fleet and Transportation Efficiency" (65 FR 24607, April 21, 2000).

Section 701 (42 U.S.C. 6374(a) (3) (E) of the EPACT of 2005 (P.L. 109-58, August 2005) amended EPAAct of 1992 to require that agencies use alternative fuel in all dual-fuel AFVs except in vehicles for which the agency received a waiver from Department of Energy. Implementation of this provision began during FY 2007; DOC and other agencies requested vehicle waivers from the requirement for FY 2008. DOC will evaluate agency performance in meeting this requirement at the end of FY 2009.

Legislative Requirement

P.L. 102-486 requires 75 percent of all covered light-duty vehicles (LDVs) acquired for Federal fleets in FY 1999 and beyond to be AFVs (where the fleets have 20 or more light duty vehicles, are capable of being centrally fueled, and are operated in a metropolitan statistical area with a population of more than 250,000 based on the 1980 census). Certain emergency, law enforcement, and national defense vehicles are exempt from these requirements. EPAAct of 1992 also sets a goal of using replacement fuels to displace at least 30 percent of the projected consumption of motor fuel in the United States annually by the year 2010. The Energy Conservation and Reauthorization Act of 1998 amended P.L. 102-486 to allow one alternative fuel vehicle acquisition credit for every 450 gallons of pure biodiesel fuel consumed in vehicles over 8,500 pounds gross vehicle weight rating. "Biodiesel credit" may fulfill up to 50 percent of an agency's EPAAct of 1992 requirements.

The head of each Federal agency must also prepare and submit an annual report to Congress outlining the agency's AFV acquisitions and future plans. E.O. 13423 directs Federal agencies operating a fleet of 20 or more vehicles within the United States to decrease covered petroleum consumption by two percent per year relative to their FY 2005 baseline through FY 2015, as well as to increase alternative fuel use by 10 percent (compounded each year) relative to their FY 2005 baseline through FY 2015.

Department of Commerce Fleet Acquisition Compliance for FY 2008

In FY 2008, DOC exceeded the 75 percent acquisition requirement for AFVs set forth in EPOA of 1992. DOC acquired 164 AFVs and a total of 91 LDVs covered under the Act, resulting in 180 percent compliance for AFV acquisitions. Attached are two tables that provide detailed information on the number and types of LDVs leased or purchased for the Department's fleet in FY 2008. Table 1 shows the quantity of vehicle acquisitions within FY 2008.

Alternative Fuel Use by the Department of Commerce Fleet in FY 2008

The majority of vehicles acquired by DOC are leased from GSA, and the leasing contract folds in the maintenance and fuel costs for the vehicles. This is accomplished by the use of a GSA credit card to purchase alternative fuel. However, since product code standards are not uniform among suppliers of alternative fuels (e.g., ethanol or E-85), it is impossible for credit vendors to accurately track the purchase of alternative fuels with this credit card. The DOC Fleet Manager has provided guidance to all DOC bureaus during quarterly fleet management meetings and by email notifications to ensure alternative fuel is used in flex-fuel and bi-fuel AFVs at all times. In accordance with the guidelines, the use of petroleum in AFVs must be justified by the bureaus. The Department has identified all alternative fuel stations located within the vicinity of DOC vehicle fleets in the United States and requires bureaus to use alternative fuel unless an exception is granted. DOC also monitors and notifies bureau Fleet Managers of the opening of new alternative fuel stations within the vicinity of DOC fleets. Table 2 represents alternative fuel use data for DOC fleet in FY 2008.

Department of Commerce's EPOA Compliance for FY 2009 and FY 2010

The AFV acquisitions for FY 2009 and FY 2010 for GSA-leased vehicles are projected to be at least 75 percent of non-exempt new vehicle acquisitions for all covered fleet locations. DOC participates in GSA's Surcharge Program, which allows GSA to assess a nominal fee on all DOC existing GSA vehicle leases. The funds accrued in this reserve are used to pay for the incremental costs incurred in purchasing AFVs for the DOC fleet. GSA has agreed to provide AFVs as replacement vehicles for GSA-leased vehicles based on replacement standards in FY 2009 and FY 2010. Tables 3 and 4 represent planned alternative fuel acquisitions for DOC fleet in FY 2009 and FY 2010.

Where EPOA of 1992 is applicable, DOC fleet managers have been instructed to substitute more energy efficient vehicles for their current fleet when replacements are made. All DOC bureaus are directed to comply with the following vehicle replacement guidelines as appropriate:

- Explore use of an alternative fuel or fuel-efficient vehicle before purchasing any new vehicle (including Exempt, Medium and Heavy Duty vehicles);
- Replace 4X4 vehicles with 4X2 vehicles;
- Replace 8-cylinder vehicles with 6-cylinder vehicles; and
- Replace large vehicles with smaller vehicles.

In addition, all DOC bureaus are required by the DOC Fleet Manager to take the following actions in order to be in compliance with EPA Act of 1992:

- Report miles driven and fuel consumption (actual) on a quarterly basis with the odometer reading;
- Use alternative fuel in all AFVs and separately identify in the quarterly report;
- Train fleet managers on the use of Federal Automotive Statistical Tool (FAST);
- Verify annual data input against quarterly reports and ensure all vehicles are reported; and
- Request approval before purchasing or leasing a 4X4 or 8-cylinder vehicle.

Summary

As detailed in this report and the attachments, DOC achieved the AFV acquisition requirements of P.L. 102-486 in FY 2008. DOC participated in the GSA Surcharge Program in FY 2008 and participation in the Program allowed DOC to meet and exceed the AFV requirement for FY 2008. DOC will continue to purchase AFVs for those regions where alternative fuel is available.

If you require any further information on this matter, please contact Eston Lewis at 202-482-2131 or Jennifer Jessup at 202-482-3458.

Table 1

Actual Department of Commerce FY 2008 Vehicle Acquisitions					
Actual FY 2008 Light-Duty Vehicle Acquisitions					Total Vehicle Inventory
		Leased	Purchased	Total	
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		269	27	296	1,536
Exemptions	Fleet Size	1	0	1	1
	Geographic	0	0	0	2
	Law Enforcement	55	7	62	132
	Non-MSA Operation (fleet)	0	0	0	37
	Non-MSA Operation (vehicles)	142	0	142	(n/a)*
EPACT Covered Acquisitions		71	20	91	1,364
Actual FY 2008 AFV Acquisitions					Total Vehicle Inventory
Vehicle		Leased	Purchased	Total	
Sedan	E-85 Flex-Fuel Compact	7	0	7	53
Sedan	E-85 Flex-Fuel Midsize	32	0	32	70
Sedan	E-85 Flex-Fuel Large	1	0	1	1
Pickup 4x2	CNG Bi-Fuel	0	3	3	4
Pickup 4x2	CNG E-85 Flex-Fuel	12	0	12	35
Pickup 4x4	CNG Bi-Fuel	0	0	0	1
Pickup 4x4	CNG Dedicated	0	0	0	12
Pickup 4x4	E-85 Flex-Fuel	11	0	11	34
SUV 4x2	E-85 Flex-Fuel	3	0	3	7
SUV 4x4	E-85 Flex-Fuel	34	0	34	125
Minivan 4x2 (Passenger)	E-85 Flex-Fuel	46	0	46	220
Minivan 4x2 (Cargo)	E-85 Flex-Fuel	2	0	2	6
Van 4x2 (Passenger)	CNG Dedicated	0	0	0	4
Van 4x2 (Passenger)	E-85 Flex-Fuel	4	0	4	5
Van 4x4 (Passenger)	E-85 Flex-Fuel	0	0	0	4
Van 4x2 (Cargo)	CNG Dedicated	0	1	1	2
Van 4x2 (Cargo)	E-85 Flex-Fuel	1	0	1	4
Van 4x4 (Cargo)	E-85 Flex-Fuel	3	0	3	5
SUV MD	E-85 Flex-Fuel	3	0	3	6
Van MD (Passenger)	CNG Bi-Fuel	0	0	0	1
Van MD (Passenger)	E-85 Flex-Fuel	0	0	0	1
Van MD (Cargo)	CNG Bi-Fuel	0	0	0	10
MD 8,501-16,000 GVWR	Electric Dedicated	0	0	0	1
Total Number of AFV Acquisitions		159	4	163	611
Zero Emission Vehicle Credits		0	0	0	
Dedicated Light-Duty AFV Credits		0	1	1	
Dedicated Medium-Duty AFV Credits		0	0	0	
Dedicated Heavy-Duty AFV Credits		0	0	0	
Biodiesel Fuel Usage Credits - Actual				0	
Total AFV Acquisitions with Credits		159	5	164	
AFV Percentage of Covered Light-Duty Vehicle Acquisition				180%	

* Non-MSA Operation Vehicles are one-time exemptions and are included in the Total Vehicle Inventory for Light-Duty Vehicles

Table 2

Department of Commerce Fuel Use in FY 2008*		
Fuel Type	Quantity	Unit
Biodiesel-B100	17	Gallons
CNG	6,998	Gallons @ 2,400 psi, 70°F
+62CNG	0	Hundred cu. ft.
Diesel	118,924	Gallons
E-85 (ethanol)	7,993	Gallons
Gasoline	960,751	Gallons
Methanol	0	Gallons
Propane	0	Gallons

* As self-reported in FAST, December 2008.

Table 3

Planned Department of Commerce FY 2009 Vehicle Acquisitions				
Planned FY 2009 Light-Duty Vehicle Acquisitions				
		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		224	24	248
Exemptions	Fleet Size	1	0	1
	Geographic	0	0	0
	Law Enforcement	6	0	0
	Non-MSA Operation (fleet)	0	0	0
	Non-MSA Operation (vehicles)	142	0	142
EPACT Covered Acquisitions		75	24	99
Planned FY 2009 AFV Acquisitions				
Vehicle		Leased	Purchased	Total
Sedan	E-85 Flex-Fuel Compact	7	0	7
Sedan	E-85 Flex-Fuel Midsize	32	0	32
Sedan	E-85 Flex-Fuel Large	1	0	1
Pickup 4x2	CNG Bi-Fuel	0	1	1
Pickup 4x2	CNG E-85 Flex-Fuel	12	0	12
Pickup 4x4	CNG Bi-Fuel	12	0	12
SUV 4x2	E-85 Flex-Fuel	3	0	3
SUV 4x4	E-85 Flex-Fuel	34	0	34
Minivan 4x2 (Passenger)	E-85 Flex-Fuel	46	0	46
Minivan 4x2 (Cargo)	E-85 Flex-Fuel	2	0	2
Van 4x2 (Passenger)	CNG Dedicated	0	2	2
Van 4x2 (Passenger)	E-85 Flex-Fuel	4	0	4
Van 4x2 (Cargo)	CNG Dedicated	0	1	1
Van 4x2 (Cargo)	E-85 Flex-Fuel	1	0	1
Van 4x4 (Cargo)	E-85 Flex-Fuel	3	0	3
SUV MD	E-85 Flex-Fuel	3	0	3
Total Number of AFV Acquisitions		157	19	176
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		0	1	1
Dedicated Medium-Duty AFV Credits		0	0	0
Dedicated Heavy-Duty AFV Credits		0	0	0
Biodiesel Fuel Usage Credits - Actual				0
Total AFV Acquisitions with Credits		157	27	184
AFV Percentage of Covered Light-Duty Vehicle Acquisition				186%

Table 4

Planned Department of Commerce FY 2010 Vehicle Acquisitions				
Planned FY 2010 Light-Duty Vehicle Acquisitions				
		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		193	4	197
Exemptions	Fleet Size	1	0	1
	Geographic	0	0	0
	Law Enforcement	3	0	3
	Non-MSA Operation (fleet)	0	4	4
	Non-MSA Operation (vehicles)	115	0	115
EPACT Covered Acquisitions		74	0	74
Planned FY 2010 AFV Acquisitions				
Vehicle		Leased	Purchased	Total
Sedan	E-85 Flex-Fuel Compact	18	0	18
Sedan	E-85 Flex-Fuel Midsize	10	0	10
Pickup 4x2	E-85 Flex-Fuel	4	0	4
Pickup 4x4	E-85 Flex-Fuel	9	4	13
SUV 4x4	E-85 Flex-Fuel	22	0	22
Minivan 4x2 (Passenger)	E-85 Flex-Fuel	23	0	23
Van 4x2 (Cargo)	CNG Dedicated	1	0	1
Van 4x2 (Cargo)	E-85 Flex-Fuel	1	0	1
SUV MD	E-85 Flex-Fuel	0	10	10
Total Number of AFV Acquisitions		90	14	104
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		1	0	1
Dedicated Medium-Duty AFV Credits		0	0	0
Dedicated Heavy-Duty AFV Credits		0	0	0
Biodiesel Fuel Usage Credits - Actual				0
Total AFV Acquisitions with Credits		91	14	105
AFV Percentage of Covered Light-Duty Vehicle Acquisition				142%